

# List of tables

Table 1:	Sample selection.....	2
Table 2:	Sample size required from selected dental clinics in SA and NSW.....	3
Table 3:	Sample size collected from selected dental clinics in SA and NSW .....	5
Table 4:	Distribution of sample sociodemographic characteristics by state .....	7
Table 5:	Dental visiting factors by state.....	8
Table 6:	Potential predictors of urgency of dental care.....	9
Table 7:	Percentage of respondents placed in categories of urgency of care .....	11
Table 8:	Frequency of responses.....	11
Table 9:	Bivariate associations between independent variables and urgency of care .....	13
Table 10:	Bivariate associations between subjective oral health scales and urgency of care .....	16
Table 11:	Logistic regression coefficients for model 1 .....	19
Table 12:	Independent predictor variables for Model 1: response values, logistic regression beta coefficients and standard errors.....	20
Table 13:	Logistic regression coefficients for model 2.....	21
Table 14:	Independent predictor variables for Model 2: response values, logistic regression beta coefficients and standard errors.....	22
Table 15:	Logistic regression coefficients for model 3 .....	23
Table 16:	Independent predictor variables for Model 3: response values, logistic regression beta coefficients and standard errors.....	24
Table 17:	Relationship between a diagnostic test result and clinician assessment of urgency .....	26
Table 18:	Sensitivity, specificity and predictive values for emergency model 1 .....	33
Table 19:	Example using emergency model 1 with cut-off = 0.2 to assign priority to 100 patients presenting for emergency dental care .....	34
Table 20:	Example using emergency model 1 with cut-off = 0.7 to assign priority to 100 patients presenting for emergency dental care .....	35
Table 21:	Sensitivity, specificity and predictive values for emergency model 2 .....	35

Table 22:	Example using emergency model 2 with cut-off = 0.4 to assign priority to the patients not classified as requiring care within 48 hours.....	36
Table 23:	Example using emergency model 2 with cut-off = 0.7 to assign priority to the patients not classified as requiring care within 48 hours.....	36
Table 24:	Sensitivity, specificity and predictive values for emergency model 3 .....	37
Table 25:	Example using emergency model 3 with cut-off = 0.6 to assign priority to 100 patients presenting for emergency dental care .....	38
Table 26:	Sample size collected from selected dental clinics in SA and NSW .....	39
Table 27:	Distribution of sample sociodemographic characteristics by state .....	41
Table 28:	Dental visiting factors by state.....	42
Table 29:	Potential predictors of urgency of dental care.....	43
Table 30:	Percentage of respondents placed in categories of urgency of care .....	46
Table 31:	Frequency of responses.....	47
Table 32:	Scale reliability analysis .....	49
Table 33:	Bivariate associations between independent variables and urgency of care .....	50
Table 34:	Bivariate associations between subjective oral health scales and urgency of care .....	55
Table 35:	Logistic regression coefficients for model 1 .....	57
Table 36:	Independent predictor variables for Model 1: response values, logistic regression beta coefficients and standard errors.....	58
Table 37:	Logistic regression coefficients for model 2.....	59
Table 38:	Independent predictor variables for Model 2: response values, logistic regression beta coefficients and standard errors.....	60
Table 39:	Sensitivity, specificity and predictive values for general model 1 .....	63
Table 40:	Example using general model 1 with cut-off = 0.3 to assign priority to 100 patients presenting for general dental care.....	64
Table 41:	Sensitivity, specificity and predictive values for general model 2 .....	64
Table 42:	Example using general model 2 with cut-off = 0.5 to assign priority to 100 patients presenting for general dental care.....	65

# List of figures

Figure 1: Hypothetical distribution of test results.....	27
Figure 2: ROC curve.....	29
Figure 3: ROC curve for model 1 .....	30
Figure 4: ROC curve for model 2 .....	31
Figure 5: ROC curve for model 3 .....	32
Figure 6: ROC curve for general model 1 .....	61
Figure 7: ROC curve for general model 2 .....	62